

What is claimed is:

1. A portable terminal device comprising:

a camera module;

5 an image control processing section for sending zoom control information of the camera module and carrying out image processing; and

an illuminance variable section for varying illuminance of the light module in accordance with a distance from the camera module to an object.

10 2. The portable terminal device according to claim 1, wherein the illuminance variable section varies the illuminance for photography of the light module in accordance with a zoom ratio of the camera module.

3. The portable terminal device according to claim 1, wherein the illuminance variable section varies the

15 illuminance for photography of the light module in accordance with a zoom ratio of the camera module.

4. The portable terminal device according to claim 1, wherein the illuminance variable section varies the

20 illuminance for photography of the light module in accordance with information on the image processing.

25 4. A method for varying light illuminance of a portable terminal device, the device including a camera module, a light module as an illumination function in shooting an image by the camera module, and an image control processing section for sending zoom control information of the camera module and carrying out image processing,

the method comprising an illuminance variable step for

varying illuminance of the light module in accordance with a distance from the camera module to an object.

5. The method for varying light illuminance according to claim 4, wherein

5       the illuminance variable step varies the illuminance for photography of the light module in accordance with a zoom ratio of the camera module.

6. The method for varying light illuminance according to claim 4, wherein

10       the illuminance variable step varies the illuminance for photography of the light module in accordance with information on the image processing.

7. A program for varying light illuminance a portable terminal device, the device including a camera module, a  
15   light module as an illumination function in shooting an image by the camera module, and image control processing section for sending zoom control information of the camera module and carrying out image processing, the program making a computer carry out processing, which varies illuminance of  
20   the light module in accordance with a distance from the camera module to an object.